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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	Atty. Docket: YAMADA=45A
In re Application of: YUKA YAMADA et al) Confirmation No.:
) Art Unit:
Appln. No.: 09/988,396) Examiner:
Filed: November 14, 2003) Washington, D.C.
For: COLD CATHODE FORMING PROCESS AND ELECTRON) February 9, 2004

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents U.S. Patent and Trademark Office 2011 South Clark Place Customer Window, Mail Stop DD Crystal Plaza Two, Lobby, Room 1B03 Arlington, Virginia 22202

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 CFR \$1.97, as it is filed within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application and before the mailing date of a first Office action on the merits or before

the mailing of a first Office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., Form PTO/SB/08A) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

Document <u>AD</u> is a U.S. patent and/or published application(s). As this is a U.S. application filed after June 30, 2003, or an entry into national stage under 35 USC \$371 after June 30, 2003, the requirement to file copies of such U.S. patents or published applications has been waived. (Office of Patent Legal Administration - Pre O.G. Notice of July 11, 2003).

- 3. Documents <u>AE-AG</u> is (are) not in the English language. In accordance with \$1.98(c), Applicant(s) states:
 - [X] An English translation of each document AE-AG (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application, or English-language abstract (or claim) is enclosed.
 - [X] A concise explanation of the relevance of document(s) AE-AG is found in the attached European Patent search report (see reply to Comment 68 in the preamble to the final rules; 1135 OG 13 at 20).
- 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

In re Appln. No. 09/988,396

5. Other information being provided for the examiner's consideration follows:

Copy of European Search Report is attached.

6. In accordance with 37 CFR §\$1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in \$1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK

Attorneys for Applicant(s)

By:

Sheridan Neimark Reg. No. 20,520

SN:ft

624 Ninth Street, N.W., Suite 300

Washington, D.C. 20001-5303

Telephone: (202) 628-5197 Facsimile: (202) 737-3528

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Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE				Application Number	09/988,396	
				Filing Date	November 14, 2003	
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Yuka YAMADA et al	
				Group Art Unit		
	(use as many sheets	as n	ecessary)	Examiner Name		
Sheet	1	of	2	Attorney Docket Number	YAMADA=45A	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	AD	US-6,069,436	05-30-2000	PRYOR	·		
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		FOREIG	3N PATENT DO	CUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	ಗ್
	AE	JP 11 130589	05-18-1999	Nippon Hoso Hyokai & Lt		
	AF	JP 11 135004	05-21-1999	Nippon Hoso Hyokai & Lt		
	AG	JP 2000 306498	11-02-2000	Sony Corp.		
	АН	WO 96 35640	11-14-1996	Wayne State University		
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Examiner	, .	Date	
Signature		Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08b (08-03)

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	(use as many sheets	as n	ecessary)	Examiner Name		
Sheet	2	of	2	Attorney Docket Number	YAMADA=45A	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
	AI	FINK, ET AL., "Optimization of Amorphic Diamondtm for Diode Field Emission Displays", Conference Record of the International display Research conference and International Workshops on Active-Matrix LCDS and Display Materials, 1994, pages 173-175, Santa Ana						
	AJ	SHIN, ET AL., "A Study on Improved Electron Emission Characteristics of Micro-Patterned DLC Films", Vacuum Microelectronics Conference, July 1998, pages 258-262, New York, NY						
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Examiner	Date	
Signature	Considered	·

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.